

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA Integrated - SEMESTER- VI • EXAMINATION – WINTER 2016

Subject Code: 4460601**Date: 20/10/2016****Subject Name: Management Information System****Time: 10:30 am To 1:00pm****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) (1) What do you mean by MIS? **07**
 (2) Define term : System
 (3) GDSS stands for
- (4) Illegal copying of computer software is called software
- (5) Extranet is an extend intranet to trusted business partners. Justify your answer with True / False.
- (6) MIS is Close System. Justify your answer with True / False.
- (7) What is the main difference between Data and Information?
- (b) What is Information? List out different types of it and explain with suitable example. **07**
- Q.2** (a) (1) Explain Herbert Simon model in details. **03**
 (2) Explain in brief the general model of human as an information processor. **04**
- (b) What is Decision Support System? Explain its type in details. **07**
- OR**
- (b) Define ethics and also explain ACM code of ethics and professional conduct for its successful handling. **07**
- Q.3** (a) Write short note on Intellectual Property, Copyright and Patents in details. **07**
 (b) What is Metadata? Explain its different types in details. **07**
- OR**
- Q.3** (a) What is Data Warehouse? List out different applications of Data warehouse in various industries. **07**
 (b) List out its characteristics with four driving factors of E-Business. **07**
- Q.4** (a) What is E-Business? List out different Models of it and explain any two in details. **07**
 (b) What is Knowledge Management? Explain two forces which drive knowledge management. **07**
- OR**
- Q.4** (a) List out different classes of System. Explain any two classes of system in depth. **07**
 (b) Explain different methods of knowledge representation in Knowledge Based Expert System. **07**
- Q.5** (a) Write a short note on impact of IT on privacy and society. **07**
 (b) Case study: List out different types of information requirement for Human Resource Management in Airlines Industry. **07**

OR

- Q.5** (a) Differentiate DSS & GDDSS. **07**
- (b) Case Study: Consider a multi specialist Hospital which provides health care **07**
) services to all types of customers which is having different department like Reception, OPD, IPD Registration and Admission, Security, Pharmacy Store, Laboratory, Emergency, Blood Bank, Ward Management, OPD and IPD Billing, Food and Beverages, Financial Accounting, HR Management etc.

Answer the following questions

- (1) Elaborate Hospital Management System process flow in graphical way.
- (2) Draw any Patient registration form and any one sample MIS report.
- (3) Prepare the Data dictionary for the Doctors & Patient Master file.
- (4) Generate at least two MIS report of Hospital Management.
- (5) List out Strategic & Tactical Information requirements for HR Management in Hospital Management.
- (6) If you are hired as a System Analyst in Hospital , advice on the following:
 - (a) Networking requirements
 - (b) Database model requirements
